

<div style="display: flex; justify-content: space-between;"> <div style="text-align: left;"> <b>FORM PTO-1449</b> (REV. 7-80)         </div> <div style="text-align: center;"> <b>U.S. DEPARTMENT OF COMMERCE</b>  <b>PATENT AND TRADEMARK OFFICE</b> </div> <div style="text-align: right;">           ATTY. DOCKET NO.: 52814.000004         </div> </div>										SERIAL NO.: 08/749,766					
<b>LIST OF MATERIALS CITED BY APPLICANT</b>  (Use several sheets if necessary)										INVENTOR'S NAME: Randall B. METCALF.		EXAMINER: <del>X. Met</del> M. Harvey			
(Use several sheets if necessary)										FILING DATE: November 20, 1996		GROUP: <del>2605</del> 2743			
U.S. PATENT DOCUMENTS															
*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE		
M50	A	5	5	2	4	0	5	9	06/96	Zurcher					
M50	B	5	5	0	6	9	1	0	04/96	Miller et al.					
M50	C	5	5	0	6	9	0	7	04/96	Ueno et al.					
M50	D	5	4	0	4	4	0	6	04/95	Fuchigami et al.					
M50	E	5	4	0	0	4	3	3	03/95	Davis et al.					
M50	F	5	4	0	0	4	0	5	03/95	Petroff					
M50	G	5	3	1	5	0	6	0	05/94	Paroutaud	84	726			
M50	H	5	2	2	5	6	1	8	07/93	Wadhams					
M50	I	5	1	5	0	2	6	2	09/92	Hosokawa et al.					
M50	J	4	7	8	2	4	7	1	11/88	Klein					
M50	K	4	0	7	2	8	2	1	02/78	Bauer					
FOREIGN PATENT DOCUMENTS															
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OTHER MATERIALS (Including Author, Title, Date, Pertinent Pages, Etc.)															
M50	M	Think Piece: Recordings and Reality, <u>TAS Journal</u> , undated, pp. 32-44													
M50	N	Web pages obtained 2/6/97 from The University of York, York University Music Technology Group, pp. 1-3; Music Technology Group: Ambisonics Research and related 3-D Audio topics, pp. 1-5; Don't Destroy the Archives! By Michael Gerzon, pp. 1-9; Frequently Asked Questions about the C1 Compressor/Gate, pp. 1-2; Increased Digital Resolution (IDR), pp. 1-2; Frequently Asked Questions about the PS22-StereoMaker, pp. 1-2; Cyberfi - Feature: Multimedia CD Developments, pp. 1-3.													
M50	O	Return of the Lunatic Fringe, <u>HeadsUp</u> , 1/22/97 from Electronic Engineering Team, 1/20/97 p. 46.													
M50	P	Industries Wrangle Over Encryption Plan/DVD Case/Betamax Revisited?, <u>HeadsUp</u> , from Computer Retail Week, 8/5/96, p. 11.													
M50	Q	Graphix Zone and Starpress Combine to Become Largest Independent Interactive Music Company, <u>HeadsUp</u> , from 7/1/96 Business Wire.													
M50	R	Japanfocus/Virtual Reality/It's Not Just Fun and Games, <u>HeadsUp</u> , from 6/5/96 Mainichi Daily News.													
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M. Harvey										12/23/97					
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M50	C	Promoters Claim Success for N.Y. HI-FI Show, <u>HeadsUp</u> , from 6/3/96 Warren Publishing.					
M50	D	Bose Corporation Selects I-Deas Master Series Software for Mechanical Design of Audio Products, <u>HeadsUp</u> , from 5/20/96 Business Wire.					
M50	E	Sonic Announces Technology Collaboration with Sony; Brings New Direct Stream Digital to Professional Audio Workstations, <u>HeadsUp</u> , from 5/13/96 Business Wire.					
M50	F	Digital Disc Hurdles Removed, <u>HeadsUp</u> , from 3/30/96 The Associated Press.					
M50	G	Sonic Solutions, Daikin Industries and Toshiba Partner to Create the Industry's First Integrated Digital Video Disc (DVD) Pre-Mastering System, <u>HeadsUp</u> , from 3/20/96 Business Wire.					
M50	H	CES and Comdex Announce Strategic Alliance to Address Convergent Industries Comdex/Spring '97 and Spring CES to Co-Locate in Atlanta, June 2-5, <u>HeadsUp</u> , from 3/14/96 PR Newswire.					
M50	I	Psycho-Acoustics Comes to the Sound Chip, <u>HeadsUp</u> , from 3/13/96 CMP Publications, Inc.					
M50	J	DVD Market Heats Up as Companies Race to Deploy, <u>HeadsUp</u> , from 1/24/96 Phillips Publishing, Inc.					
M50	K	Dolby Picks Moto DSPS for AC-, <u>HeadsUp</u> , from 1/22/97 CMP Publications, Inc.					
M50	L	Web sites from 11/20/96, <i>Acoustic Renaissance for Audio</i> , p. 1, <i>Invitation to the Acoustic Renaissance for Audio</i> , p. 1-4; <i>Bitstream versus PCM debate for high-density compact disc</i> by Prof. M. O. J. Hawksford, pp. 1-5, <i>A Proposal for the High-Quality Audio Application of High-Density CD Carriers</i> , pp. 1-21.					
M50	M	Palenchar, Joseph; <i>DVD's First Act</i> , <u>Stereo Review</u> , October 1996, pp. 75-78.					
M50	N	Pohlmann, Ken; <i>Are Your Ready For ... DVD?</i> , <u>Stereo Review</u> , October 1996, pp. 67-69, 72.					
M50	O	New Audio Coding Scheme Emerges as Possible Alternate to Dolby AC-3, <u>HeadsUp</u> , from 8/26/96 Phillips Publishing, Inc.					
M50	P	Production Handling Multichannel Audio, <u>HeadsUp</u> , from 7/23/96 Intertec Publishing Corporation.					
M50	Q	Digital Media Interactive Aims to Cover All the DVD Angles; Start-Up Reaches Out to Developers and Hardware Vendors, <u>HeadsUp</u> , from 7/9/96 Phillips Publishing, Inc.					
EXAMINER M. Harvey				DATE CONSIDERED 12/23/97			
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<i>M50</i>	C	DVD Congressional Pact Unlikely this Year/Shapiro, <u>HeadsUp</u> , from 7/8/96 Warren Publishing.					
<i>M50</i>	D	Bell, Alan E., Next-Generation Compact Discs, <u>Scientific American</u> , July 1996, pp. 42-46.					
<i>M50</i>	E	DVD Launch Delay Looking More Inevitable, <u>HeadsUp</u> , from 6/17/96 Warren Publishing.					
<i>M50</i>	F	Music Industry DVD Proposal, <u>HeadsUp</u> , from 5/29/96 Warren Publishing.					
<i>M50</i>	G	Music Industry in Talks on Digital Recordings, <u>HeadsUp</u> , from 5/24/96 The Financial Times.					
<i>M50</i>	H	Toshiba Displays First-Ever Line of DVD Players at CES 96 in Orlando... Movies at Home Will Never Be the Same Again!/Hundreds of Movie Titles on DVD From Major Studios to Accompany Player Roll-Out this Fall/, <u>HeadsUp</u> , from 5/23/96 Business Wire.					
<i>M50</i>	I	Sony Proposes Its Own DVD-Audio Format, <u>HeadsUp</u> , from 5/13/96 CMP Publications, Inc.					
<i>M50</i>	J	Japanese DVD Music Recommendations 'Workable'/British ARA Chief, <u>HeadsUp</u> , from 5/6/96 Warren Publishing.					
<i>M50</i>	K	Automatic Equalizer (Assignee/Sabine Musical Manufacturing Company, Inc.), <u>HeadsUp</u> , from 4/18/96 MicroPatent.					
<i>M50</i>	L	Channel Audio Signal Encoding Method (Assignee/Sony Corporation), <u>HeadsUp</u> , from 4/17/96 MicroPatent.					
<i>M50</i>	M	Digital Equipment Corp. Licenses Spatializer 3-D Stereo Winner Products USA Inc., TIVA Microcomputer Corp. (TMC) and 4D Sound Corp. Also Sign Agreements To Use Audio Technology, <u>HeadsUp</u> , from 3/28/96 PR Newswire.					
<i>M50</i>	N	Integrity Appoints Chief Operating Officer; Reaches Agreement for Word Distribution to Handle Integrity's Music and Video Products, <u>HeadsUp</u> , from 3/27/96 PR Newswire.					
<i>M50</i>	O	Computer-Game Industry Divided Over Audio Technologies/The Sound and the Fury, <u>HeadsUp</u> , from 3/25/96 CMP Publications, Inc.					
<i>M50</i>	P	Personal Technology, <u>HeadsUp</u> , from 3/23/96 Los Angeles Times.					
<i>M50</i>	Q	Laserpacific Announces Entry Into DVD Encoding and Authoring Business, <u>HeadsUp</u> , from 3/22/96 PR Newswire.					
<i>M50</i>	R	'3D Sound' Delivers Great Sound in Difficult Spaces For Audio and Home Theater Systems, <u>HeadsUp</u> , from 3/21/96 PR Newswire.					
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<i>M50</i>	C	<i>Video Discs Run Into Launch Date Storm, HeadsUp, from 3/21/96 The Financial Times.</i>					
<i>M50</i>	D	<i>Philips Faces Delays in DVD-Video Launch, HeadsUp, from 3/13/96 Reuters America Inc.</i>					
<i>M50</i>	E	<i>Philips Demonstrates High Quality MPEG2 Audio with DVD, from 3/6/96 Business Wire.</i>					
<i>M50</i>	F	<i>DVD; The Dawning of the DVD Age, It Promises to Change the Way We Watch TV, Use PCS, HeadsUp, from 2/17/96 Southam Electronic Publishing.</i>					
<i>M50</i>	G	<i>Proposals on NTSC-PAL DVD Distribution due in 2 Weeks, HeadsUp, from 2/12/96 Warren Publishing.</i>					
<i>M50</i>	H	<i>New DVD Hitch Raised, HeadsUp, from 1/29/96 Warren Publishing.</i>					
<i>M50</i>	I	<i>Consumer Electronics World Hopes DVD Spurs Comeback/CES To Take Digital Turn, HeadsUp, from 1/3/96 CMP Publications, Inc.</i>					
<i>M50</i>	J	<i>Stuart, J.R. et al., DVD: Application of Hierarchically Encoded Surround Sound—including Ambisonics, Acoustic Renaissance for Audio, 1996, 6 pages.</i>					
<i>M50</i>	K	<i>Stuart, J.R. et al., DVD: Pre-emphasis for use at 96kHz or 88.2kHz, Acoustic Renaissance for Audio, 1996, 9 pages</i>					
<i>M50</i>	L	<i>Sony Develops 'Direct Stream Digital' Music DVD, HeadsUp, from 12/28/95 Warren Publishing.</i>					
<i>M50</i>	M	<i>Work Begins on High-Density Music Disc, HeadsUp, from 12/4/95 Warren Publishing.</i>					
<i>M50</i>	N	<i>Matlab Adds Neural, Fuzzy Modeling, HeadsUp, from 11/6/95 Electronic Engineering Times, p. 37, by R. Colin Johnson.</i>					
<i>M50</i>	O	<i>Speaker Recognition System Using Neural Network (Assignee/Sekisui Kagaku Kogyo Kabushiki Kaisha), HeadsUp, from 11/1/95 MicroPatents.</i>					
<i>M50</i>	P	<i>Schneider, Len, Notes from Lucas Valley: Len Schneider Experiences the THX Treatment, Stereophile, November 1995, pp. 63-66.</i>					
<i>M50</i>	Q	<i>Despite Agreement, DVD Camps Still at Odds/Skirmishes Continue Over Digital-Video Disk Name, Patents, Technology, HeadsUp, from 10/23/95 Electronic Engineering Times, by David Lammers.</i>					
<i>M50</i>	R	<i>Various small articles from Stereophile, September 1995, pp. 37, 39, 41-42.</i>					
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<u>M50</u>	C	von Baeyer, Hans Christian, <i>Wave of the Future</i> , <u>Discover</u> , May 1995, pp. 69-72, 74.					
<u>M50</u>	D	Norton, Thomas J. et al, <i>Aces High Las Vegas: WCES '95</i> , <u>Stereophile</u> , April 1995, pp. 68-69, 71, 73, 75, 77, 79, 81.					
<u>M50</u>	E	Various small articles from <u>Stereophile</u> , April 1995, pp. 31-33, 35, 37, 39, 41, 43, 45, 47.					
<u>M60</u>	F	Paradigm® promotional material, 13 pages, undated.					
<u>M50</u>	G	<i>Science and the Arts: A Collection of Works Exploring the Interrelationship of Science and Art</i> , <u>Scientific American</u> ; Deutsch, Diana, <i>Paradoxes of Musical Pitch</i> (August 1992), pp. 46-51; Hutchins, Carleen Maley, <i>The Physics of Violins</i> (November 1962), pp. 77-89; Sundberg, <i>The Acoustics of the Singing Voice</i> (March 1977), pp. 36-43.					
<u>M50</u>	H	Hutheesing, Nikhil, <i>Outwitting the Human Ear</i> , <u>Forbes</u> , September 26, 1994, pp. 164-166.					
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